

LOGISTICS

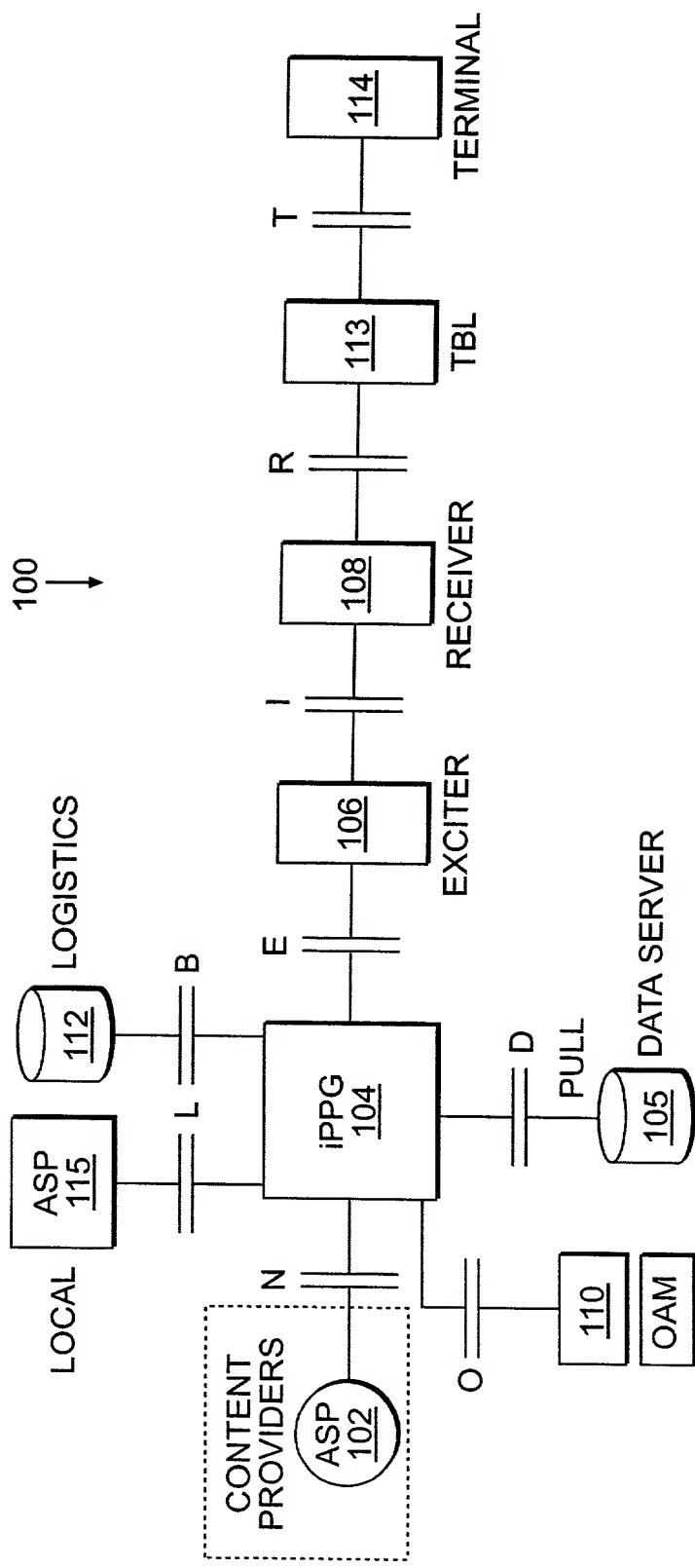


FIG. 1

FIG. 2

TABLE 1

	ENTITY	INTERFACE REFERENCE	PHYSICAL INTERFACE	NETWORK INTERFACE
102	ASP - iPPG	N (NETWORK)	POTS/ISP (DEFAULT)	TCP/IP (DEFAULT)
106	iPPG - EXCITER	E (EXCITER)	1) STL (DEFAULT) 2) POTS 3) OTHER LOOP ACCESS WIRELESS, LMDS, SATELLITE	PPP OR SLIP
112	iPPG - LOG (CDR)	B (BILLING)	ETHERNET	RESIDENT AT STATION OR RESIDENT AT REMOTE
105	iPPG - DATA SERVER	D	POTS (DEFAULT)	1) PPP - DEFAULT 2) TCP/IP
110	iPPG - OAM	O (OAM)	ETHERNET	SNMP - MIBX DEFAULT
108	EXCITER - RECEIVER	I	iDAB	NA
113	RECEIVER - TBL	R (RECEIVER)	PROPRIETARY	NA
114	TBL - TERMINAL	T (TERMINAL)	ONE-ON-ONE	CUSTOM API
115	ASP - LOCAL	L	OFF LINE: R/W FLOPPY/CDS ONLINE: POTS	TCP/IP DEFAULT OTHERS: PPP, SLIP etc.

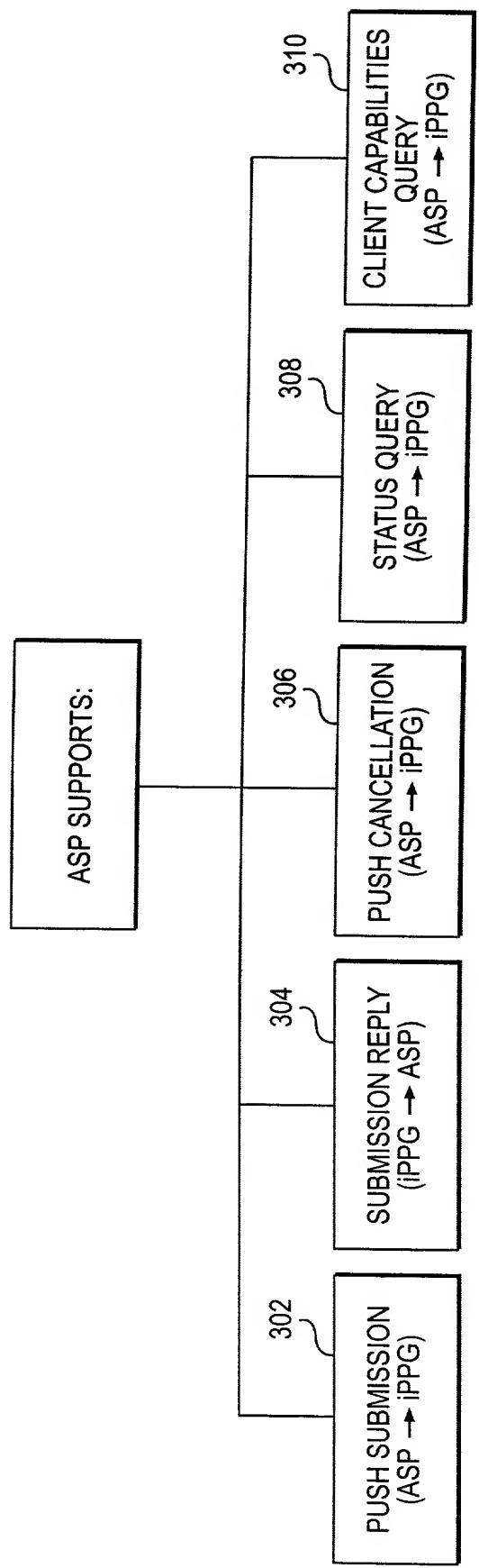


FIG. 3

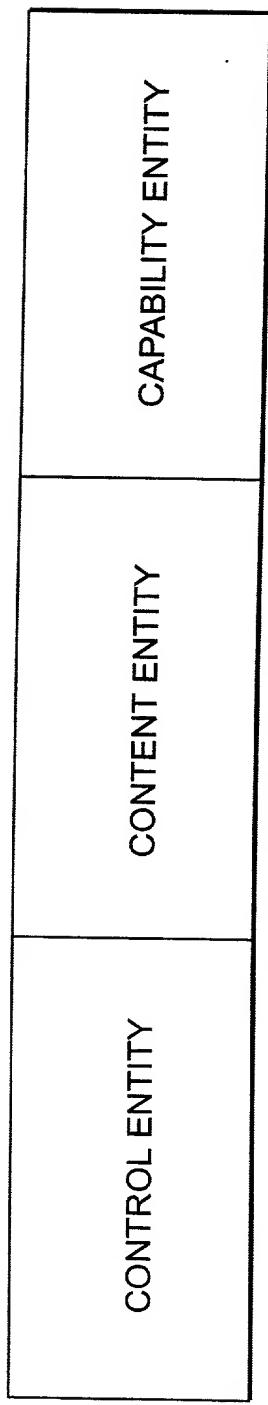


FIG.4

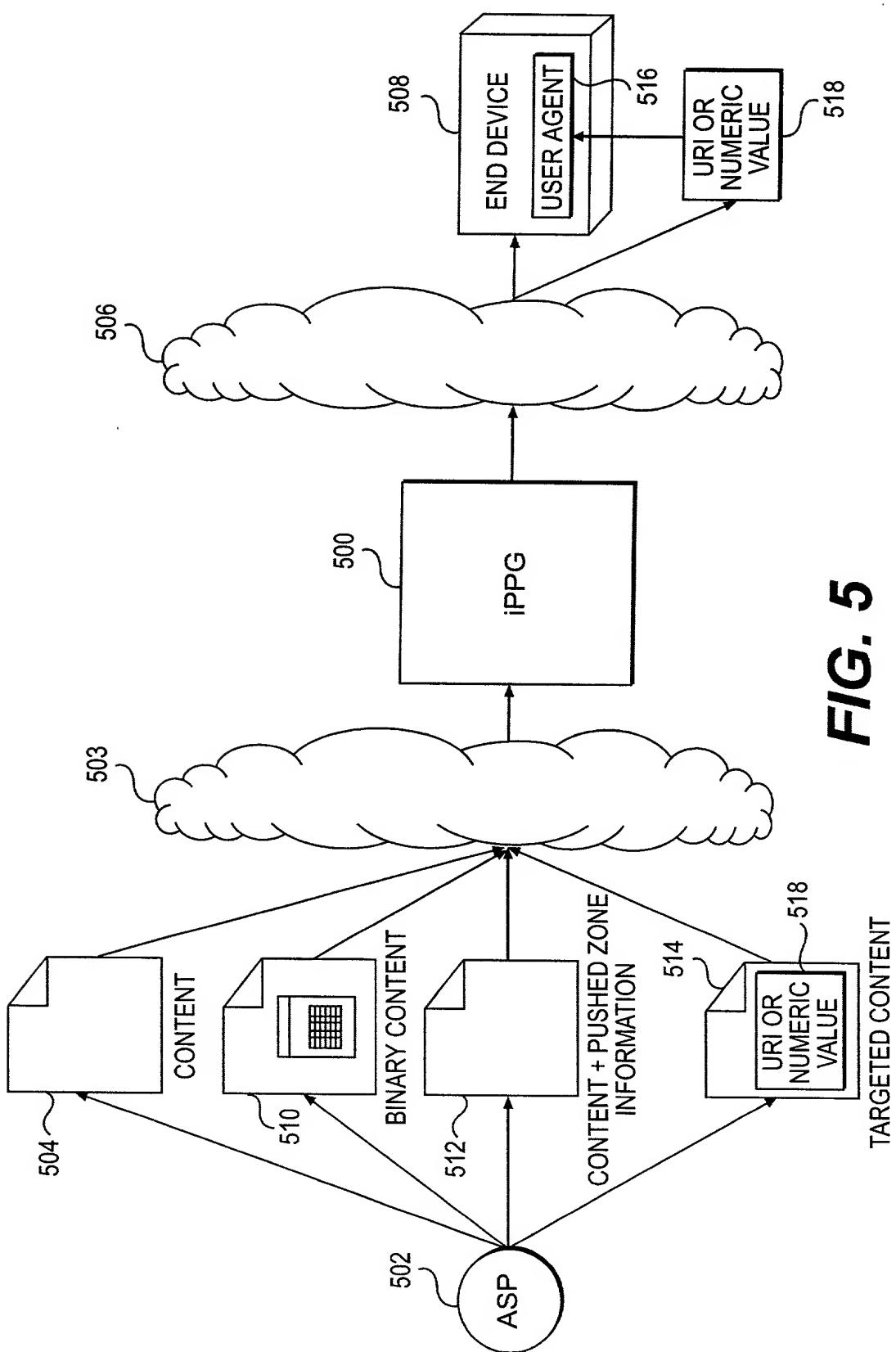


FIG. 5

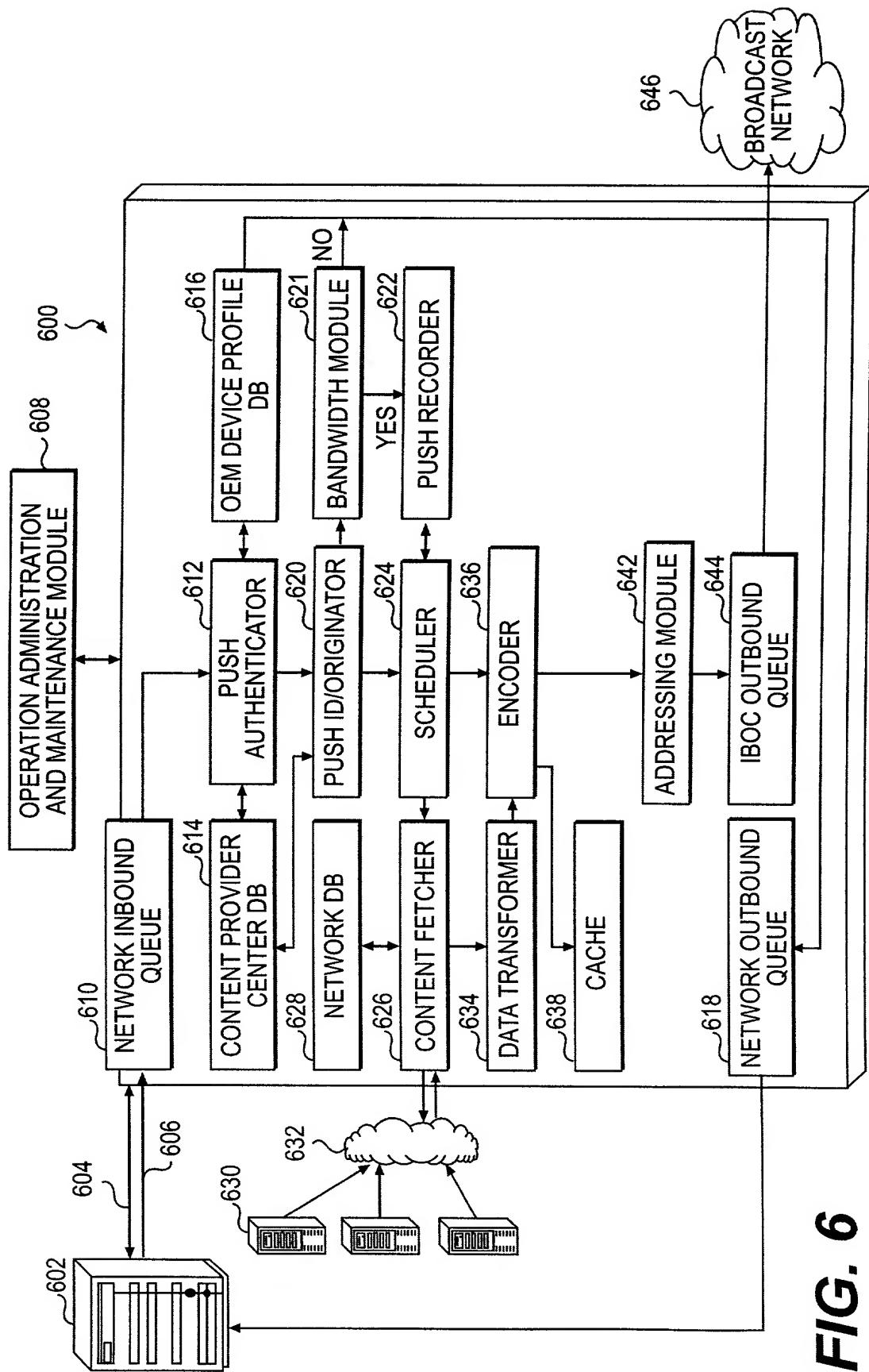
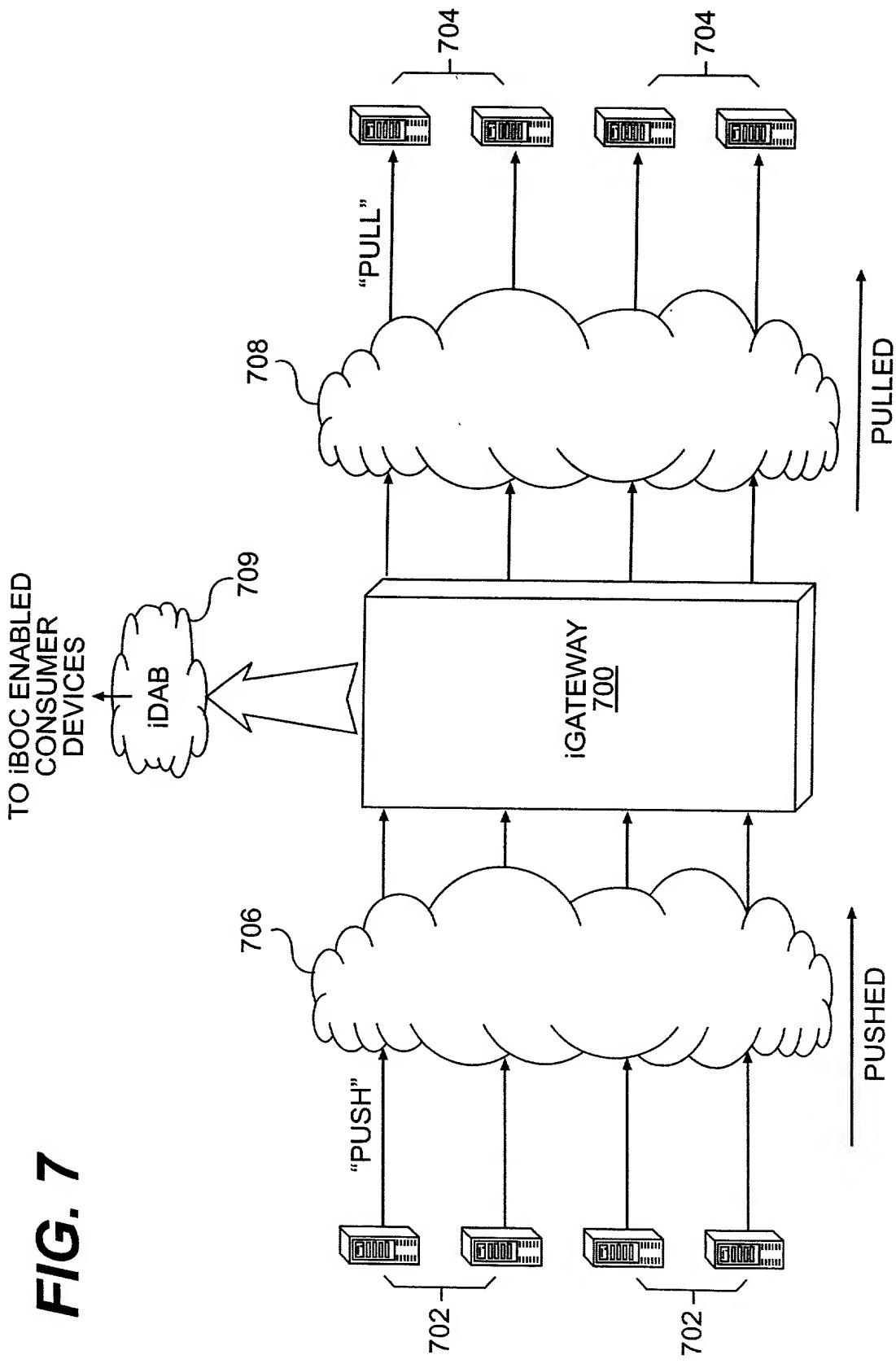


FIG. 6

FIG. 7



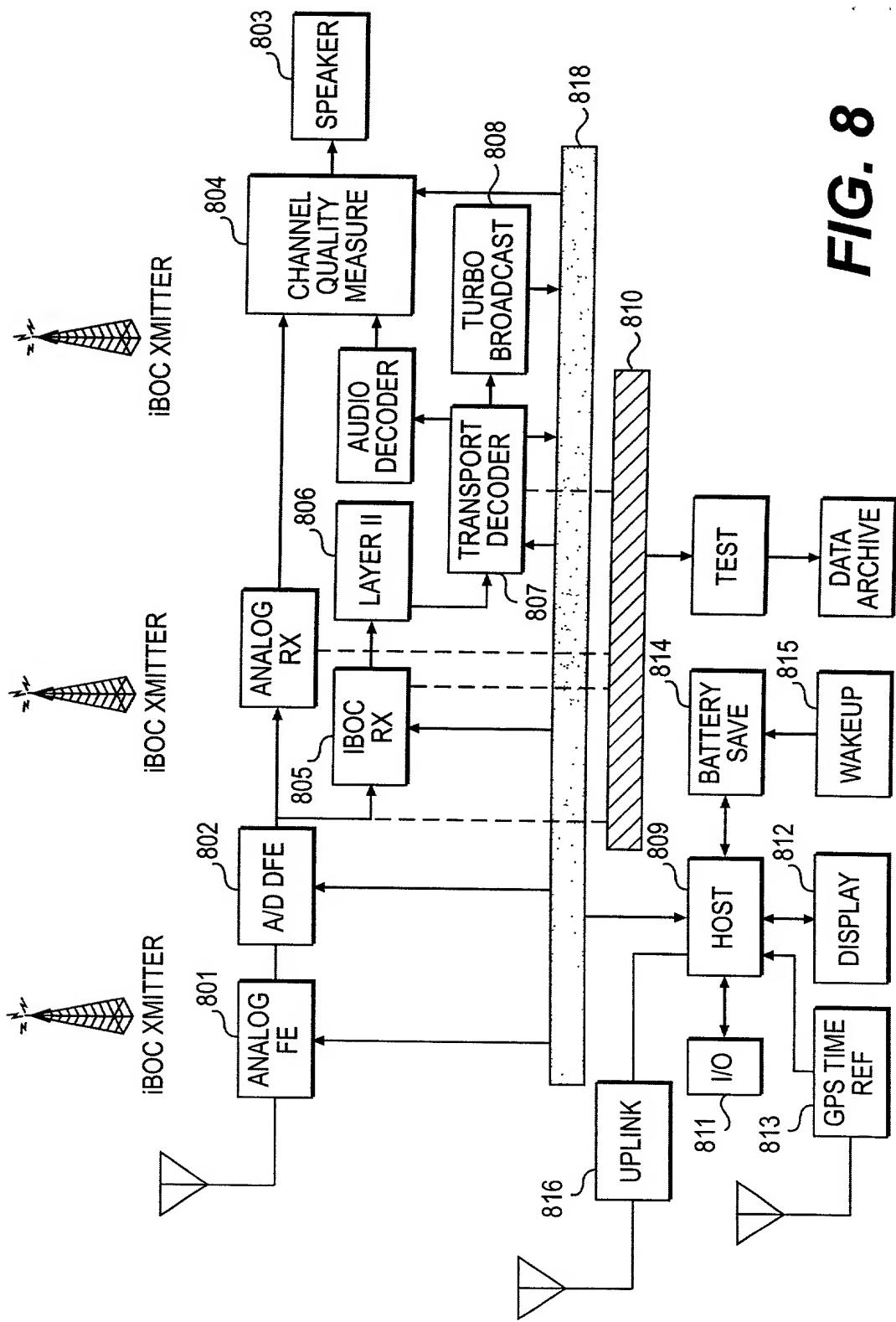


FIG. 8

MESSAGE NAME	ASP	iPPG	Rx	DESCRIPTION
ORIGINATING ADD	X	X	X	SERVICE OPERATOR CODE (SOC) OR ADDRESS
DESTINATION ADD	X		X	BROADCAST, MULTICAST OR UNICAST
MESSAGE REF.	X	X		RANDOM #0- 16 BITS LONG
SERVICE CLASS	X	X		BASIC, PREFERRED, PREMIUM, ETC.
PRIORITY INDICATOR	X	X	X	NORMAL, URGENT, EMERGENCY
SERVICE CATEGORY		X	X	UNKNOWN/UNSPECIFIED, ADMINISTRATIVE, MAINTENANCE, TALENT ANNOUNCEMENT, ADVERTISEMENT, NEWS (LOCAL, REGIONAL, NATIONAL, INTERNATIONAL), SPORTS, WEATHER, TRAFFIC, EMERGENCY, ALERT, STOCKS (LOCAL, REGIONAL, NATIONAL, INTERNATIONAL), ENTERTAINMENT, RESTAURANTS, LODGING, ADVERTISEMENTS, MEDICAL, HEALTH, HOSPITALS, MULTIMEDIA, AUDIO, LOGO, TEXT, ETC.
ALERT			X	WITH INFO VIBRATE, TONE, REMIND, CADENCE, ETC.
LANGUAGE ID	X		X	LANGUAGE FILTRATION
PERIODICITY	X			REPETITION RATE
VALIDITY	X	X		INDEFINITE, POWER DOWN, DISPLAY ONLY, ETC.
VALIDITY ABSOLUTE	X	X		VALIDITY PERIOD (MESSAGE VALID DURING THESE TIMES)
VALIDITY PERIOD	X	X		MESSAGE VALID/NOT VALID DURING THESE TIMES
MESSAGE TIME STAMP		X	X	OPTIONAL
ZONE	X	X		CELLS, SECTORS, ENTIRE, ETC.
BEARER DATA	X	X	X	ANY DESIRED MESSAGE CONTENTS
CONTACT #	X		X	FOR POINT OF SALE INFORMATION. MAY BE A HYPERLINK.
SECURITY		X	X	
PRIVACY INDICATOR		X	X	UNRESTRICTED, RESTRICTED, CONFIDENTIAL, SECRET
FEATURE PRIVATE	X		X	
DISPLAY EXECUTION		X	X	PRE DOWNLOAD WITH DEACTIVATE ON/OFF WITH KEY/WITHOUT KEY
TDB				TO BE DETERMINED

TABLE 2

FIG. 9

PARAMETER-NOT-RECOGNIZED	SENT WHEN THE RECIPIENT (PPG) WAS UNABLE TO ACT UPON THE PRIMITIVE RECEIVED DUE TO AN UNRECOGNIZED PARAMETER.
PARAMETER-VALUE-INVALID	SENT WHEN A FAILURE OCCURRED DUE TO THE VALUE OF A PARAMETER BEING INVALID.
VALID MESSAGE-NOT-IDENTIFIED	SENT WHEN THE PPG DOES NOT RECOGNIZE THE ASP MESSAGE TOKEN NUMBER.
RTS-IDENTITY-NO-VALID	SENT WHEN THE PPG DOES NOT RECOGNIZE A CELL IDENTITY.
UNRECOGNIZED-MESSAGE	SENT WHEN THE RECIPIENT ENTITY DID NOT RECOGNIZE THE PROTOCOL MESSAGE IDENTIFIER.
MISSING-MANDATORY-ELEMENT	SENT WHEN A MANDATORY ELEMENT IS MISSING FROM THE PRIMITIVE.
PPG-CAPACITY-EXCEEDED	SENT WHEN A WRITE-REPLACE FAILS BECAUSE THE RTS CANNOT MEET THE REQUESTED REPETITION RATE.
CELL-NOT-OPERATIONAL	SENT WHEN THE PPG/RTS IS NOT AVAILABLE BECAUSE OF ERROR CONDITIONS OR DUE TO MAINTENANCE ACTIVITIES.
UNKNOWN-ERROR CAUSE	SENT WHEN NONE OF THE ABOVE.
CELL-NOT-SUPPORTED	BECAUSE OF NO PAYMENT

TABLE 3

FIG. 10

	ERROR	DELAY	E&D	TRANSMISSION RATE	JITTER
DATA TYPE					
SERVICE PREMIUM					
TIME SPENT					
PRIORITY					
TOD					

TABLE 4

FIG. 11

PARAMETER-NOT-RECOGNIZED	SENT WHEN THE RECIPIENT RTS WAS UNABLE TO ACT UPON THE PRIMITIVE RECEIVED DUE TO AN UNRECOGNIZED PARAMETER.
PARAMETER-VALUE-INVALID	SENT WHEN A FAILURE OCCURRED DUE TO THE VALUE OF A PARAMETER BEING INVALID.
RTS-CAPACITY-EXCEEDED	SENT WHEN A WRITE-REPLACE FAILS BECAUSE THE RTS CANNOT MEET THE REQUESTED REPETITION RATE.
CELL-MEMORY-EXCEEDED	SENT WHEN THE LOCAL CELL MEMORY HAS BEEN EXCEEDED.
RTS-MEMORY-EXCEEDED	SENT WHEN THE PPG IS UNABLE TO STORE A MESSAGE AS THE BSS MEMORY HAS BEEN EXCEEDED.
CELL-NOT-OPERATIONAL	SENT WHEN THE RTS IS NOT AVAILABLE BECAUSE OF ERROR CONDITIONS OR DUE TO MAINTENANCE ACTIVITIES.
UNKNOWN-ERROR CAUSE	SENT WHEN NONE OF THE ABOVE.

TABLE 5

FIG. 12

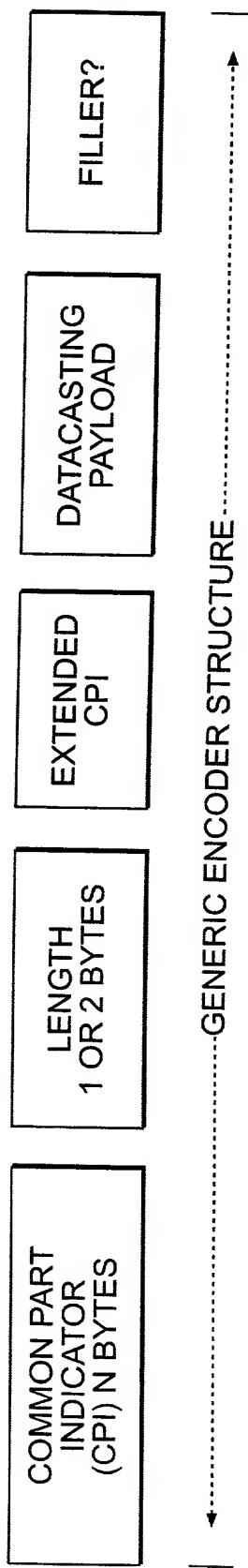


FIG. 13A

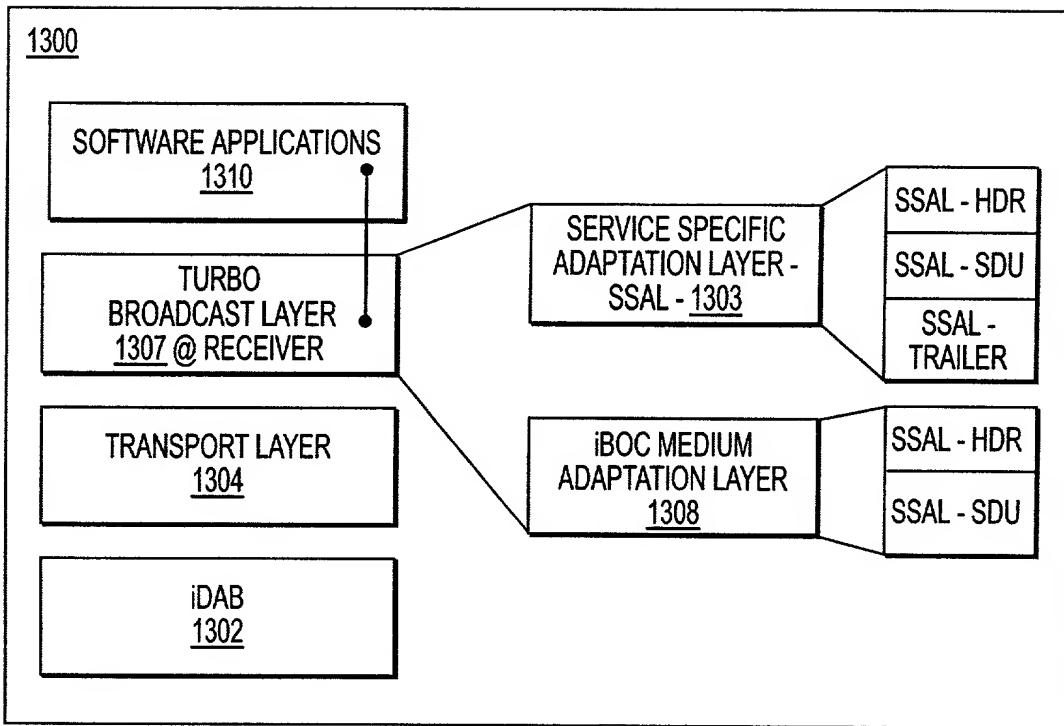


FIG. 13B

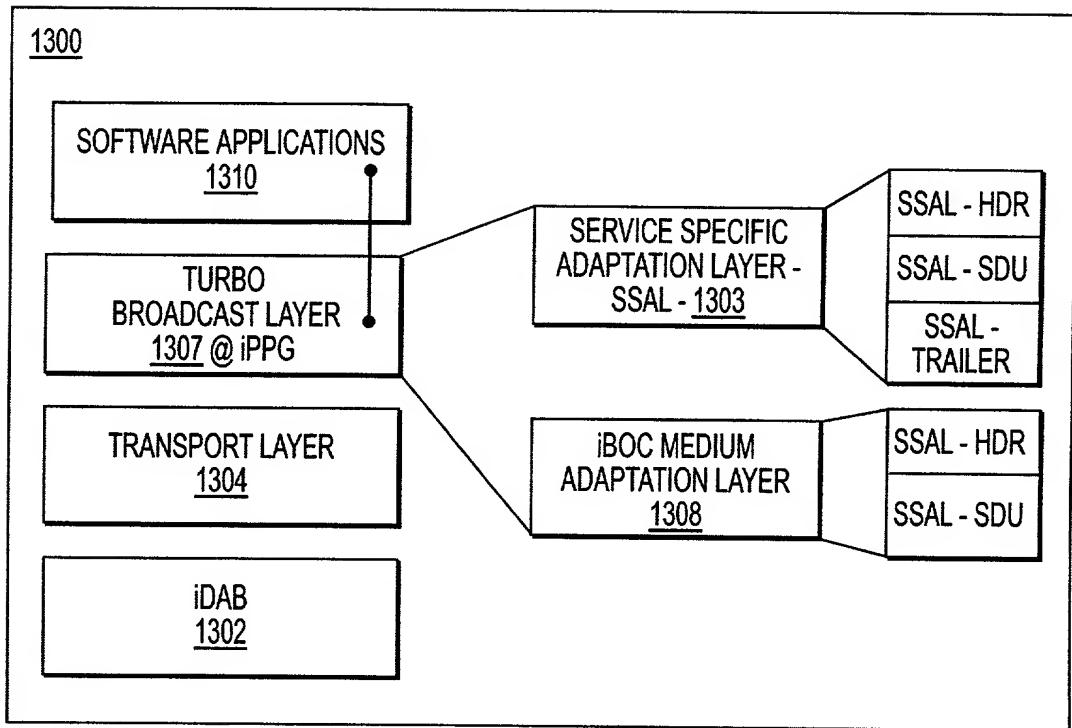


FIG. 13C

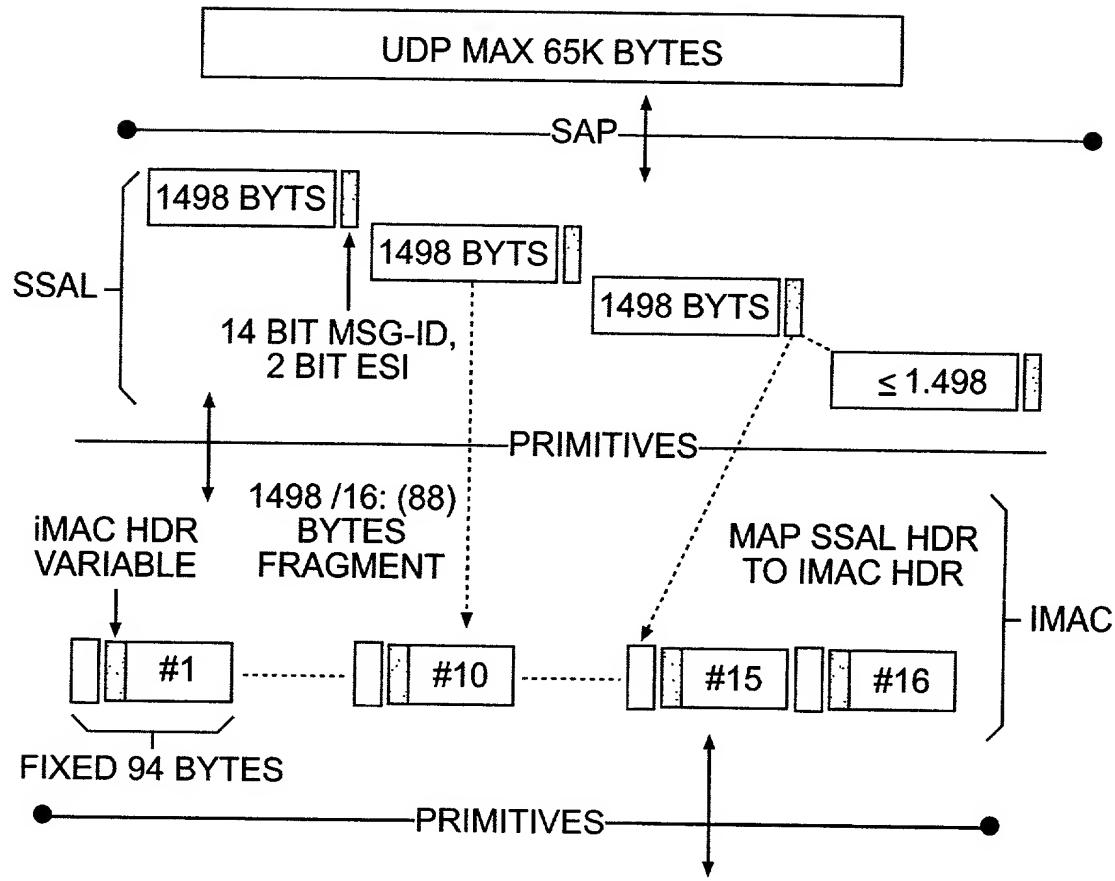


FIG. 14A

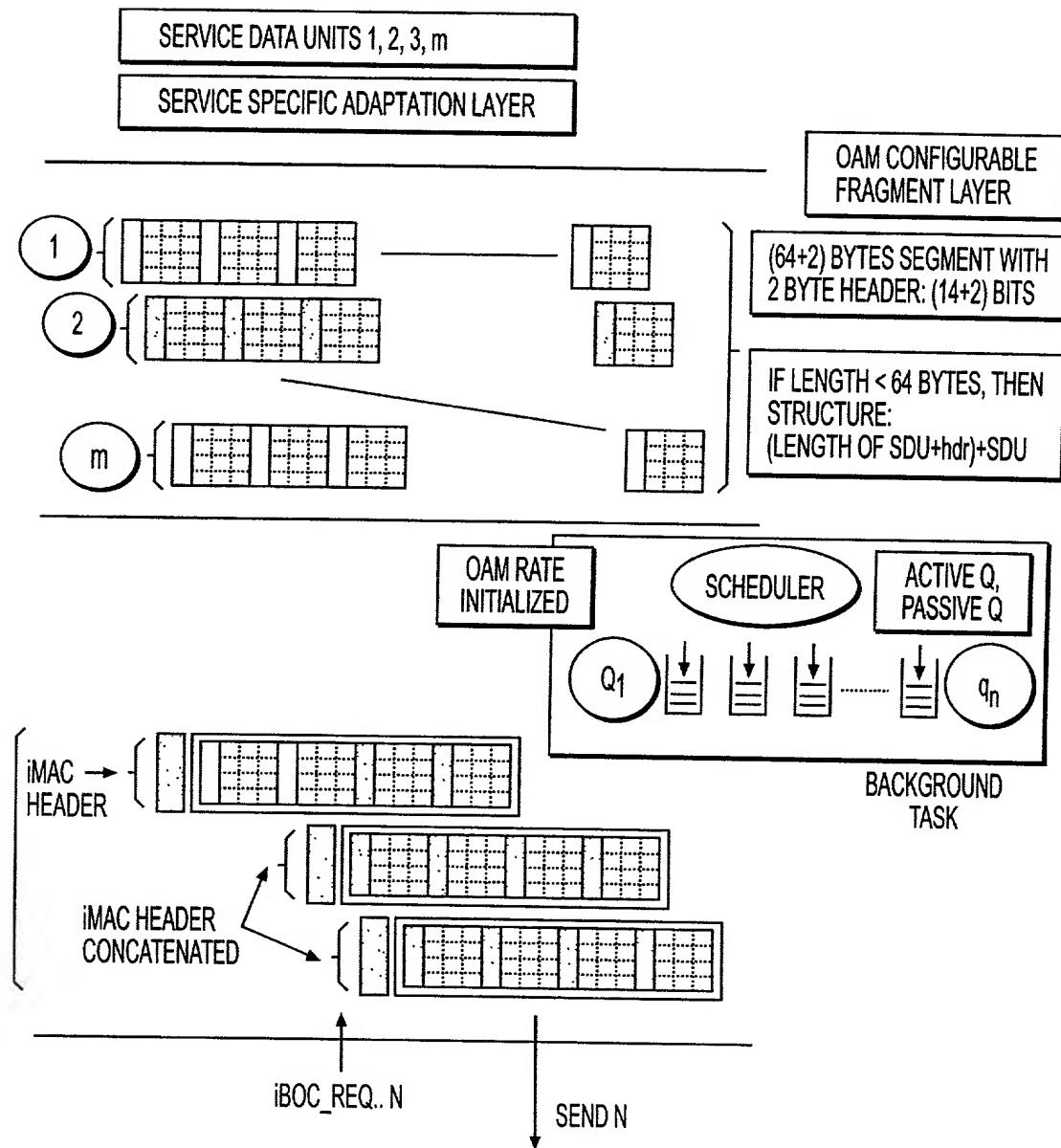


FIG. 14B

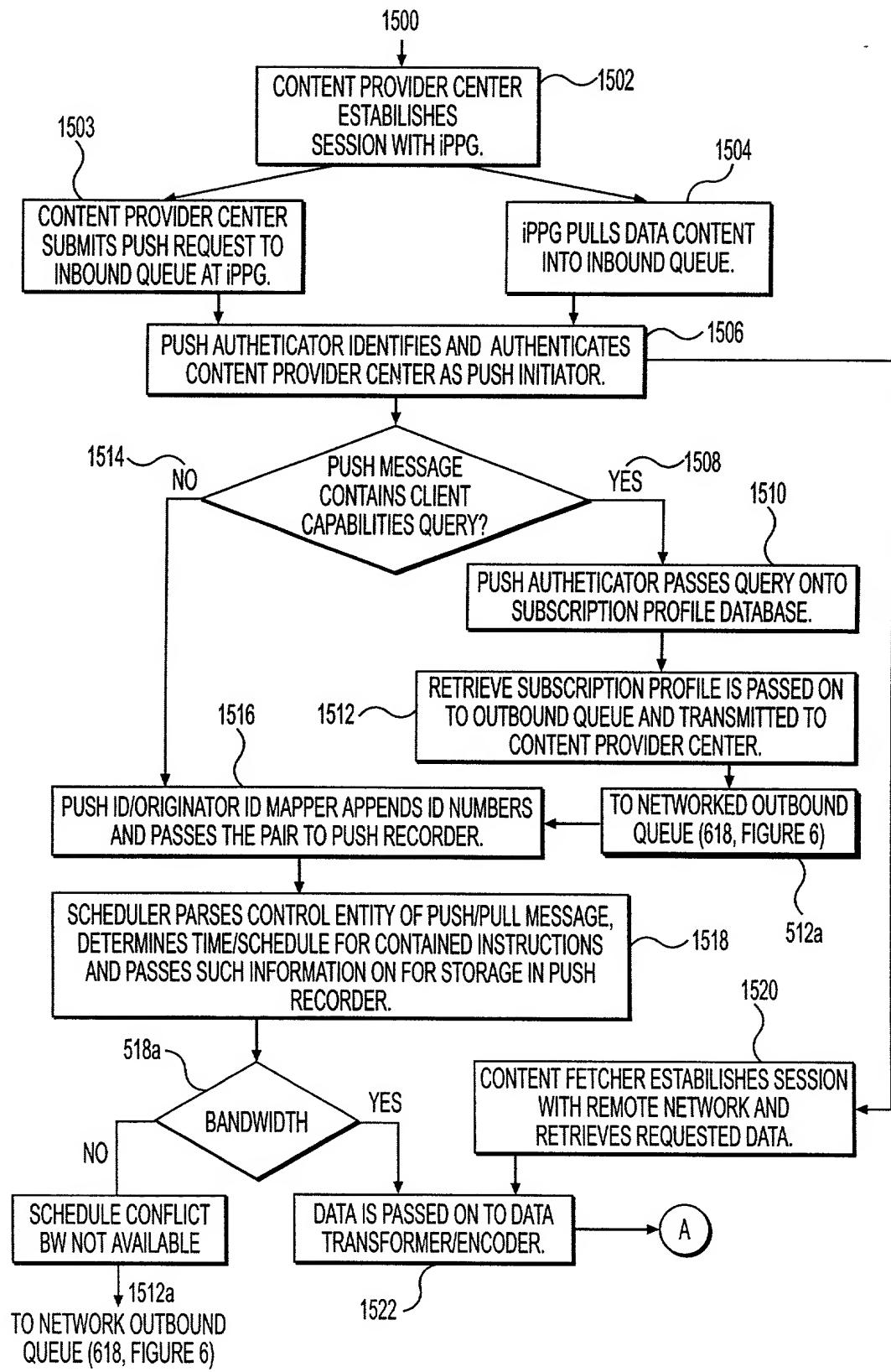


FIG. 15A

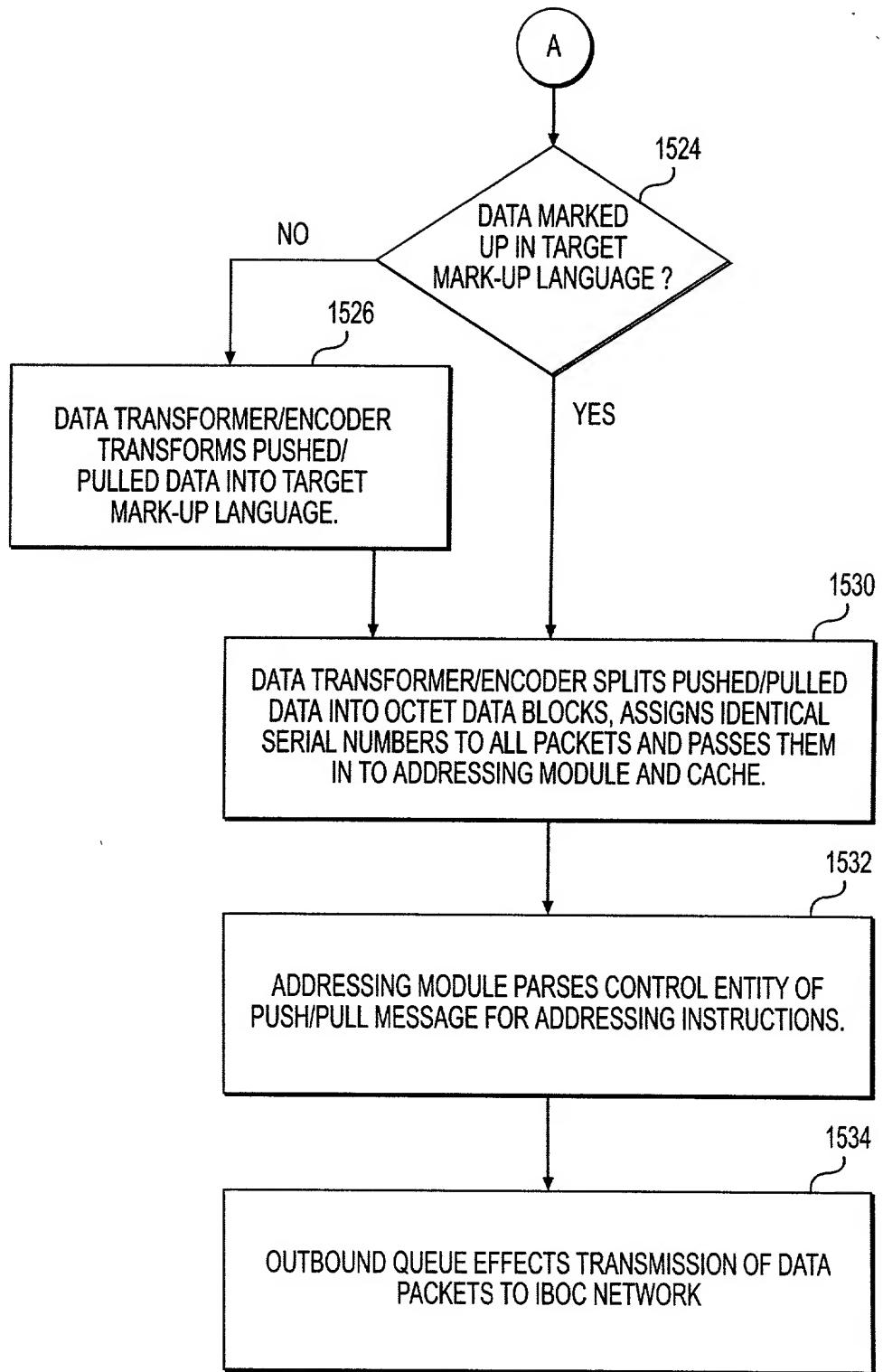


FIG. 15B